

SCORE Search Results Details for Application 10529592 and Search Result 20090427_122905_us-10-529-592a-1.rng.

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This page gives you Search Results detail for the Application 10529592 and Search Result 20090427_122905_us-10-529-592a-1.rng.

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GenCore version 6.3
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OM nucleic - nucleic search, using sw model

Run on: April 28, 2009, 04:12:15 ; Search time 229 Seconds
(without alignments)
63759.541 Million cell updates/sec

Title: US-10-529-592A-1
Perfect score: 881
Sequence: 1 gggccatgacccccgctgct.....aaataaagatcctctgtaac 881

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 14112681 seqs, 8286569208 residues

Total number of hits satisfying chosen parameters: 28225362

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : N_Geneseq_200812:*
1: geneseqn1:*
2: geneseqn2:*
3: geneseqn3:*
4: geneseqn4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	% Query		Length	DB	ID	Description	
	No.	Score					
	1	881	100.0	881	2	ADM96967	Adm96967 Human pan
	2	881	100.0	881	3	AES72471	Aes72471 Human C19
	3	827	93.9	893	2	ADM96969	Adm96969 Human pan
	4	827	93.9	893	3	AES72473	Aes72473 Human C19
	5	703.2	79.8	761	1	AAK88446	Aak88446 Human dig
c	6	694.2	78.8	963	1	AAI90742	Aai90742 Human pol
c	7	694.2	78.8	963	1	ADE09694	Ade09694 Novel DNA
	8	694.2	78.8	1239	3	ARC01157	Arc01157 DNA fragm
	9	692.6	78.6	1261	4	AQD66153	Aqd66153 Human chr
c	10	611	69.4	614	2	ADR26670	Adr26670 Breast ca
	11	549	62.3	2798	1	AAK90422	Aak90422 Human dig
	12	547.4	62.1	2804	1	AAK90423	Aak90423 Human dig
	13	367	41.7	574	1	ABL65256	Abl65256 Lung canc
	14	206.4	23.4	1617	1	ADE07493	Ade07493 Novel cod
	15	203	23.0	203	1	AFS82561	Afs82561 Human tra
	16	193	21.9	195	3	AQC97274	Aqc97274 Human nuc
	17	193	21.9	195	3	AQC91488	Aqc91488 Human nuc
	18	147.2	16.7	550	2	ACH77410	Ach77410 Human gen
	19	144	16.3	170	2	ACH91110	Ach91110 Human gen
	20	105.4	12.0	2721	1	ABS61407	Abs61407 Prostate
	21	75.4	8.6	763	1	ABQ27175	Abq27175 Oligonucl
c	22	75.4	8.6	763	1	ABQ27174	Abq27174 Oligonucl
	23	49.8	5.7	2000	1	ADA71938	Ada71938 Rice gene
	24	49.8	5.7	2000	3	AJG11665	Ajg11665 Rice infe
	25	49.2	5.6	2441	2	AQD19538	Aqd19538 Rice cDNA
c	26	49	5.6	763	1	ABQ27177	Abq27177 Oligonucl
	27	49	5.6	763	1	ABQ27176	Abq27176 Oligonucl
	28	48.4	5.5	852	4	AQY74734	Aqy74734 Streptomy
c	29	48.4	5.5	110000	4	AQY71306_42	Continuation (43 o
c	30	47.2	5.4	1501	3	AOB79884	Aob79884 Rice geno
c	31	47.2	5.4	88445	3	AOC17251	Aoc17251 Rice geno
c	32	47.2	5.4	88445	4	ASR04844	Asr04844 Rice geno
c	33	47.2	5.4	88805	3	AQD74525	Aqd74525 Rice geno
c	34	47	5.3	1140	1	ADB72831	Adb72831 Human LFN
c	35	47	5.3	1140	1	ADB72832	Adb72832 Human LFN
c	36	47	5.3	1140	1	ADA66377	Ada66377 Human LFN
c	37	47	5.3	1140	1	ADA66378	Ada66378 Human LFN
c	38	47	5.3	1140	1	ADA03094	Ada03094 Human LFN
c	39	47	5.3	1140	1	ADA03093	Ada03093 Human LFN
c	40	47	5.3	1140	1	ADL27172	Adl27172 Human cod
c	41	47	5.3	1377	2	ADZ12748	Adz12748 Human can
c	42	47	5.3	1545	1	AAV41906	Aav41906 Nucleotid
c	43	47	5.3	3025	2	ADZ12756	Adz12756 Human can

c	44	47	5.3	3142	4	ATN14791	Atn14791 Human tra
c	45	47	5.3	29040	1	ADL27170	Adl27170 Human gen

ALIGNMENTS

RESULT 1
ADM96967

ID ADM96967 standard; cDNA; 881 BP.
XX
AC ADM96967;
XX
DT 01-JUL-2004 (first entry)
XX
DE Human pancreatic cancer upregulated gene C1958V1.
XX
KW ds; gene; cytostatic; gene therapy; pancreatic cancer; diagnosis;
KW anti-tumor immunity.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT CDS 163. .393
FT /*tag= a
FT /product= "C1958V1 protein"
XX
PN WO2004031411-A2.
XX
PD 15-APR-2004.
XX
PF 12-SEP-2003; 2003WO-JP011713.
XX
PR 30-SEP-2002; 2002US-0414872P.
PR 28-FEB-2003; 2003US-0450889P.
XX
PA (ONCO-) ONCOTHERAPY SCI INC.
PA (UYTY) UNIV TOKYO.
XX
PI Nakamura Y, Katagiri T;
XX
DR WPI; 2004-330204/30.
DR P-PSDB; ADM96968.
XX
PT New C1958V1 or C1958V2 polypeptides, useful in useful in diagnosing and
PT treating pancreatic cancer and in inducing anti tumor immunity.
XX
PS Claim 2; SEQ ID NO 1; 71pp; English.
XX

CC The invention relates to the isolation of novel genes upregulated in
CC pancreatic cancer designated C1958V1 and C1958V2, their encoded
CC polypeptides (I), a sequence in which one or more amino acids are
CC substituted, deleted, inserted, and/or added and that has a biological
CC activity equivalent to the C1958V1 or C1958V2 proteins; or a sequence
CC encoded by a polynucleotide that hybridizes under stringent conditions to
CC the C1958V1 or C1958V2 polynucleotides. The polypeptides and
CC polynucleotides, compounds and compositions are useful in diagnosing and
CC treating pancreatic cancer and in inducing anti tumor immunity. This
CC sequence represents the C1958V1 cDNA sequence.

XX

SQ Sequence 881 BP; 178 A; 276 C; 264 G; 163 T; 0 U; 0 Other;

Query Match 100.0%; Score 881; DB 2; Length 881;
Best Local Similarity 100.0%; Pred. No. 2.5e-206;
Matches 881; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGAC	60
Db	1	GGGCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGAC	60
Qy	61	CGCCGCCGCCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC	120
Db	61	CGCCGCCGCCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC	120
Qy	121	AGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	180
Db	121	AGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	180
Qy	181	TGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCC	240
Db	181	TGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCC	240
Qy	241	GTCCTGAACGACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCCCACCACG	300
Db	241	GTCCTGAACGACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCCCACCACG	300
Qy	301	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	360
Db	301	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	360
Qy	361	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCTGGCTGG	420
Db	361	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCTGGCTGG	420
Qy	421	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	480
Db	421	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	480

Qy	481	CTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGG	540
Db	481	CTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGG	540
Qy	541	ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCGCTGAGTG	600
Db	541	ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCGCTGAGTG	600
Qy	601	GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA	660
Db	601	GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA	660
Qy	661	TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAG	720
Db	661	TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAG	720
Qy	721	CCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG	780
Db	721	CCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG	780
Qy	781	TGGAGTGGCTGTTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT	840
Db	781	TGGAGTGGCTGTTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT	840
Qy	841	ATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	881
Db	841	ATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	881

RESULT 2
AES72471
ID AES72471 standard; cDNA; 881 BP.
XX
AC AES72471;
XX
DT 03-MAY-2007 (first entry)
XX
DE Human C1958 splice variant 1, cDNA.
XX
KW Pancreatic ductal adenocarcinoma; cancer; cytostatic; tumor marker;
KW protein therapy; screening; splice variant; ss; gene; C1958V1; apoptosis;
KW gene therapy; pancreas tumor; lung tumor; renal tumor; testicle tumor.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT CDS 163. .393
FT /*tag= a
FT /product= "C1958V1 protein"

XX
PN WO2007013358-A2.
XX
PD 01-FEB-2007.
XX
PF 14-JUL-2006; 2006WO-JP314442.
XX
PR 28-JUL-2005; 2005US-0703791P.
XX
PA (ONCO-) ONCOTHERAPY SCI INC.
PA (UYTY) UNIV TOKYO.
XX
PI Nakamura Y, Katagiri T, Inaki K;
XX
DR WPI; 2007-283242/27.
DR P-PSDB; AES72472.
XX
PT New VIVIT polypeptide useful for treating or preventing cancer, such as
PT pancreatic cancer, lung cancer, kidney cancer and testicular tumor.
XX
PS Disclosure; SEQ ID NO 1; 78pp; English.
XX
CC The invention relates to a VIVIT polypeptide (AES72497) and at least a
CC fragment of the human C1958 sequence appearing as AES72472, in which
CC residues at positions 37-41 is replaced with AES72497, or an amino acid
CC sequence of a polypeptide functionally equivalent to the polypeptide
CC comprising the fragment sequence. Also included are an agent for
CC treating/preventing cancer (comprising as an active ingredient the VIVIT
CC polypeptide, or a polynucleotide encoding the polypeptide), a
CC pharmaceutical composition (comprising the VIVIT polypeptide, and a
CC carrier), screening (M1) for a compound useful in treating/preventing
CC cancers (involving (a) contacting a polypeptide comprising a PPP3CA-
CC binding domain of a C1958 polypeptide with a polypeptide comprising a
CC C1958-binding domain of a PPP3CA polypeptide in the presence of a test
CC compound, (b) detecting binding between the polypeptides, and (c)
CC selecting a test compound that inhibits binding between the
CC polypeptides), a kit for screening for a compound for treating or
CC preventing cancers, treating/preventing cancers in a subject (involving
CC administering the compound selected above), and inducing apoptosis in a
CC cell (involving introducing a polypeptide having a dominant-negative
CC effect against C1958 or a polynucleotide encoding the polypeptide into
CC the cell, where the polypeptide comprises a fragment sequence having
CC AES72497, or the mutated C1958 above). The polypeptide is modified with a
CC cell-membrane permeable substance, which has the general formula [R]-[D],
CC where [R] represents the cell-membrane permeable substance, and [D]
CC represents the amino acid sequence of a fragment sequence of AES72497, or
CC the mutated C1958 peptide. The VIVIT polypeptide is useful for treating
CC and/or preventing cancer, preferably pancreatic cancer (especially
CC Pancreatic ductal adenocarcinoma), lung cancer, kidney cancer and

CC testicular tumor. (M1) is useful for screening a compound for treating or
CC preventing cancers. The present sequence encodes a splice variant of
CC human C1958.

XX

SQ Sequence 881 BP; 178 A; 276 C; 264 G; 163 T; 0 U; 0 Other;

Query Match 100.0%; Score 881; DB 3; Length 881;
Best Local Similarity 100.0%; Pred. No. 2.5e-206;
Matches 881; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCGAGCCCGAC	60
Db	1	GGGCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCGAGCCCGAC	60
Qy	61	CGCCGCCGCCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC	120
Db	61	CGCCGCCGCCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC	120
Qy	121	AGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	180
Db	121	AGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	180
Qy	181	TGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCC	240
Db	181	TGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCC	240
Qy	241	GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACCCCCACG	300
Db	241	GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACCCCCACG	300
Qy	301	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	360
Db	301	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	360
Qy	361	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCTGGCTGG	420
Db	361	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCTGGCTGG	420
Qy	421	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	480
Db	421	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	480
Qy	481	CTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGG	540
Db	481	CTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGG	540
Qy	541	ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCGCTGAGTG	600
Db	541	ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCGCTGAGTG	600

Qy	601	GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA	660
Db	601	GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA	660
Qy	661	TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAG	720
Db	661	TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAG	720
Qy	721	CCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG	780
Db	721	CCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG	780
Qy	781	TGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT	840
Db	781	TGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT	840
Qy	841	ATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	881
Db	841	ATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	881

RESULT 3

ADM96969

ID	ADM96969 standard; cDNA; 893 BP.		
XX			
AC	ADM96969;		
XX			
DT	01-JUL-2004 (first entry)		
XX			
DE	Human pancreatic cancer upregulated gene C1958V2.		
XX			
KW	ds; gene; cytostatic; gene therapy; pancreatic cancer; diagnosis;		
KW	anti-tumor immunity.		
XX			
OS	Homo sapiens.		
XX			
FH	Key	Location/Qualifiers	
FT	CDS	197. .259	
FT		/*tag= a	
FT		/product= "C1958V2 protein"	
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PN	WO2004031411-A2.		
XX			
PD	15-APR-2004.		
XX			
PF	12-SEP-2003; 2003WO-JP011713.		
XX			
PR	30-SEP-2002; 2002US-0414872P.		

Db	253	 GTCCTGAACGACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCCCACCACCCACG	312
Qy	301	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	360
Db	313	 GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	372
Qy	361	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCTGGCTGG	420
Db	373	 CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCTGGCTGG	432
Qy	421	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	480
Db	433	 CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	492
Qy	481	CTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGG	540
Db	493	 CTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGG	552
Qy	541	ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCCGCTGAGTG	600
Db	553	 ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCCGCTGAGTG	612
Qy	601	GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA	660
Db	613	 GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA	672
Qy	661	TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAG	720
Db	673	 TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAG	732
Qy	721	CCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG	780
Db	733	 CCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG	792
Qy	781	TGGAGTGGCTGTTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT	840
Db	793	 TGGAGTGGCTGTTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT	852
Qy	841	ATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	881
Db	853	 ATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	893

RESULT 4
AES72473
ID AES72473 standard; cDNA; 893 BP.
XX
AC AES72473;

XX
DT 03-MAY-2007 (first entry)
XX
DE Human C1958 splice variant 3, cDNA.
XX
KW Pancreatic ductal adenocarcinoma; cancer; cytostatic; tumor marker;
KW protein therapy; screening; splice variant; ss; gene; C1958V3; apoptosis;
KW gene therapy; pancreas tumor; lung tumor; renal tumor; testicle tumor.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT CDS 197..259
FT /*tag= a
FT /product= "C1958V3"
XX
PN WO2007013358-A2.
XX
PD 01-FEB-2007.
XX
PF 14-JUL-2006; 2006WO-JP314442.
XX
PR 28-JUL-2005; 2005US-0703791P.
XX
PA (ONCO-) ONCOTHERAPY SCI INC.
PA (UYTY) UNIV TOKYO.
XX
PI Nakamura Y, Katagiri T, Inaki K;
XX
DR WPI; 2007-283242/27.
DR P-PSDB; AES72474.
XX
PT New VIVIT polypeptide useful for treating or preventing cancer, such as
PT pancreatic cancer, lung cancer, kidney cancer and testicular tumor.
XX
PS Disclosure; SEQ ID NO 3; 78pp; English.
XX
CC The invention relates to a VIVIT polypeptide (AES72497) and at least a
CC fragment of the human C1958 sequence appearing as AES72472, in which
CC residues at positions 37-41 is replaced with AES72497, or an amino acid
CC sequence of a polypeptide functionally equivalent to the polypeptide
CC comprising the fragment sequence. Also included are an agent for
CC treating/preventing cancer (comprising as an active ingredient the VIVIT
CC polypeptide, or a polynucleotide encoding the polypeptide), a
CC pharmaceutical composition (comprising the VIVIT polypeptide, and a
CC carrier), screening (M1) for a compound useful in treating/preventing
CC cancers (involving (a) contacting a polypeptide comprising a PPP3CA-
CC binding domain of a C1958 polypeptide with a polypeptide comprising a
CC C1958-binding domain of a PPP3CA polypeptide in the presence of a test

CC compound, (b) detecting binding between the polypeptides, and (c)
 CC selecting a test compound that inhibits binding between the
 CC polypeptides), a kit for screening for a compound for treating or
 CC preventing cancers, treating/preventing cancers in a subject (involving
 CC administering the compound selected above), and inducing apoptosis in a
 CC cell (involving introducing a polypeptide having a dominant-negative
 CC effect against C1958 or a polynucleotide encoding the polypeptide into
 CC the cell, where the polypeptide comprises a fragment sequence having
 CC AES72497, or the mutated C1958 above). The polypeptide is modified with a
 CC cell-membrane permeable substance, which has the general formula [R]-[D],
 CC where [R] represents the cell-membrane permeable substance, and [D]
 CC represents the amino acid sequence of a fragment sequence of AES72497, or
 CC the mutated C1958 peptide. The VIVIT polypeptide is useful for treating
 CC and/or preventing cancer, preferably pancreatic cancer (especially
 CC Pancreatic ductal adenocarcinoma), lung cancer, kidney cancer and
 CC testicular tumor. (M1) is useful for screening a compound for treating or
 CC preventing cancers. The present sequence encodes a splice variant of
 CC human C1958.

XX

SQ Sequence 893 BP; 175 A; 287 C; 274 G; 157 T; 0 U; 0 Other;

Query Match 93.9%; Score 827; DB 3; Length 893;
 Best Local Similarity 97.5%; Pred. No. 4.9e-193;
 Matches 859; Conservative 0; Mismatches 0; Indels 22; Gaps 1;

Qy	1	GGGCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCGGAGCCCGAC	60
Db	35	GGGCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCGGAGCCCGAC	94
Qy	61	CGCCGCCGCCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC	120
Db	95	CGCCGCCGCCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC	154
Qy	121	AGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	180
Db	155	AGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	214
Qy	181	TGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCCC	240
Db	215	TGCCTGAA-----AGCAGCAGCAGCAGCCACGACGAGGCCCCC	252
Qy	241	GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACCACG	300
Db	253	GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACCACG	312
Qy	301	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	360
Db	313	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	372

Qy	361	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTTGGGTTTGGCTGGCTGG	420
Db	373	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTTGGGTTTGGCTGGCTGG	432
Qy	421	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	480
Db	433	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	492
Qy	481	CTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGG	540
Db	493	CTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGG	552
Qy	541	ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCGCTGAGTG	600
Db	553	ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCGCTGAGTG	612
Qy	601	GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA	660
Db	613	GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA	672
Qy	661	TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAG	720
Db	673	TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAG	732
Qy	721	CCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG	780
Db	733	CCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG	792
Qy	781	TGGAGTGGCTGTTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT	840
Db	793	TGGAGTGGCTGTTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT	852
Qy	841	ATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	881
Db	853	ATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	893

RESULT 5
AAK88446
ID AAK88446 standard; cDNA; 761 BP.
XX
AC AAK88446;
XX
DT 05-NOV-2001 (first entry)
XX
DE Human digestive system antigen coding sequence SEQ ID NO: 762.
XX
KW Human; digestive system antigen; gene therapy; cancer; appendicitis;
KW ulcerative colitis; infection; Hirschsprung's disease; chronic colitis;

KW digestive system disorder; Meckel's diverticulum; ss.
XX
OS Homo sapiens.
XX
PN WO200155314-A2.
XX
PD 02-AUG-2001.
XX
PF 17-JAN-2001; 2001WO-US001324.
XX
PR 31-JAN-2000; 2000US-0179065P.
PR 04-FEB-2000; 2000US-0180628P.
PR 24-FEB-2000; 2000US-0184664P.
PR 02-MAR-2000; 2000US-0186350P.
PR 16-MAR-2000; 2000US-0189874P.
PR 17-MAR-2000; 2000US-0190076P.
PR 18-APR-2000; 2000US-0198123P.
PR 19-MAY-2000; 2000US-0205515P.
PR 07-JUN-2000; 2000US-0209467P.
PR 28-JUN-2000; 2000US-0214886P.
PR 30-JUN-2000; 2000US-0215135P.
PR 07-JUL-2000; 2000US-0216647P.
PR 07-JUL-2000; 2000US-0216880P.
PR 11-JUL-2000; 2000US-0217487P.
PR 11-JUL-2000; 2000US-0217496P.
PR 14-JUL-2000; 2000US-0218290P.
PR 26-JUL-2000; 2000US-0220963P.
PR 26-JUL-2000; 2000US-0220964P.
PR 14-AUG-2000; 2000US-0224518P.
PR 14-AUG-2000; 2000US-0224519P.
PR 14-AUG-2000; 2000US-0225213P.
PR 14-AUG-2000; 2000US-0225214P.
PR 14-AUG-2000; 2000US-0225266P.
PR 14-AUG-2000; 2000US-0225267P.
PR 14-AUG-2000; 2000US-0225268P.
PR 14-AUG-2000; 2000US-0225270P.
PR 14-AUG-2000; 2000US-0225447P.
PR 14-AUG-2000; 2000US-0225757P.
PR 14-AUG-2000; 2000US-0225758P.
PR 14-AUG-2000; 2000US-0225759P.
PR 18-AUG-2000; 2000US-0226279P.
PR 22-AUG-2000; 2000US-0226681P.
PR 22-AUG-2000; 2000US-0226868P.
PR 22-AUG-2000; 2000US-0227182P.
PR 23-AUG-2000; 2000US-0227009P.
PR 30-AUG-2000; 2000US-0228924P.
PR 01-SEP-2000; 2000US-0229287P.
PR 01-SEP-2000; 2000US-0229343P.
PR 01-SEP-2000; 2000US-0229344P.

PR 01-SEP-2000; 2000US-0229345P.
PR 05-SEP-2000; 2000US-0229509P.
PR 05-SEP-2000; 2000US-0229513P.
PR 06-SEP-2000; 2000US-0230437P.
PR 06-SEP-2000; 2000US-0230438P.
PR 08-SEP-2000; 2000US-0231242P.
PR 08-SEP-2000; 2000US-0231243P.
PR 08-SEP-2000; 2000US-0231244P.
PR 08-SEP-2000; 2000US-0231413P.
PR 08-SEP-2000; 2000US-0231414P.
PR 08-SEP-2000; 2000US-0232080P.
PR 08-SEP-2000; 2000US-0232081P.
PR 12-SEP-2000; 2000US-0231968P.
PR 14-SEP-2000; 2000US-0232397P.
PR 14-SEP-2000; 2000US-0232398P.
PR 14-SEP-2000; 2000US-0232399P.
PR 14-SEP-2000; 2000US-0232400P.
PR 14-SEP-2000; 2000US-0232401P.
PR 14-SEP-2000; 2000US-0233063P.
PR 14-SEP-2000; 2000US-0233064P.
PR 14-SEP-2000; 2000US-0233065P.
PR 21-SEP-2000; 2000US-0234223P.
PR 21-SEP-2000; 2000US-0234274P.
PR 25-SEP-2000; 2000US-0234997P.
PR 25-SEP-2000; 2000US-0234998P.
PR 26-SEP-2000; 2000US-0235484P.
PR 27-SEP-2000; 2000US-0235834P.
PR 27-SEP-2000; 2000US-0235836P.
PR 29-SEP-2000; 2000US-0236327P.
PR 29-SEP-2000; 2000US-0236367P.
PR 29-SEP-2000; 2000US-0236368P.
PR 29-SEP-2000; 2000US-0236369P.
PR 29-SEP-2000; 2000US-0236370P.
PR 02-OCT-2000; 2000US-0236802P.
PR 02-OCT-2000; 2000US-0237037P.
PR 02-OCT-2000; 2000US-0237038P.
PR 02-OCT-2000; 2000US-0237039P.
PR 02-OCT-2000; 2000US-0237040P.
PR 13-OCT-2000; 2000US-0239935P.
PR 13-OCT-2000; 2000US-0239937P.
PR 20-OCT-2000; 2000US-0240960P.
PR 20-OCT-2000; 2000US-0241221P.
PR 20-OCT-2000; 2000US-0241785P.
PR 20-OCT-2000; 2000US-0241786P.
PR 20-OCT-2000; 2000US-0241787P.
PR 20-OCT-2000; 2000US-0241808P.
PR 20-OCT-2000; 2000US-0241809P.
PR 20-OCT-2000; 2000US-0241826P.
PR 01-NOV-2000; 2000US-0244617P.

PR 08-NOV-2000; 2000US-0246474P.
PR 08-NOV-2000; 2000US-0246475P.
PR 08-NOV-2000; 2000US-0246476P.
PR 08-NOV-2000; 2000US-0246477P.
PR 08-NOV-2000; 2000US-0246478P.
PR 08-NOV-2000; 2000US-0246523P.
PR 08-NOV-2000; 2000US-0246524P.
PR 08-NOV-2000; 2000US-0246525P.
PR 08-NOV-2000; 2000US-0246526P.
PR 08-NOV-2000; 2000US-0246527P.
PR 08-NOV-2000; 2000US-0246528P.
PR 08-NOV-2000; 2000US-0246532P.
PR 08-NOV-2000; 2000US-0246609P.
PR 08-NOV-2000; 2000US-0246610P.
PR 08-NOV-2000; 2000US-0246611P.
PR 08-NOV-2000; 2000US-0246613P.
PR 17-NOV-2000; 2000US-0249207P.
PR 17-NOV-2000; 2000US-0249208P.
PR 17-NOV-2000; 2000US-0249209P.
PR 17-NOV-2000; 2000US-0249210P.
PR 17-NOV-2000; 2000US-0249211P.
PR 17-NOV-2000; 2000US-0249212P.
PR 17-NOV-2000; 2000US-0249213P.
PR 17-NOV-2000; 2000US-0249214P.
PR 17-NOV-2000; 2000US-0249215P.
PR 17-NOV-2000; 2000US-0249216P.
PR 17-NOV-2000; 2000US-0249217P.
PR 17-NOV-2000; 2000US-0249218P.
PR 17-NOV-2000; 2000US-0249244P.
PR 17-NOV-2000; 2000US-0249245P.
PR 17-NOV-2000; 2000US-0249264P.
PR 17-NOV-2000; 2000US-0249265P.
PR 17-NOV-2000; 2000US-0249297P.
PR 17-NOV-2000; 2000US-0249299P.
PR 17-NOV-2000; 2000US-0249300P.
PR 01-DEC-2000; 2000US-0250160P.
PR 01-DEC-2000; 2000US-0250391P.
PR 05-DEC-2000; 2000US-0251030P.
PR 05-DEC-2000; 2000US-0251988P.
PR 05-DEC-2000; 2000US-0256719P.
PR 06-DEC-2000; 2000US-0251479P.
PR 08-DEC-2000; 2000US-0251856P.
PR 08-DEC-2000; 2000US-0251868P.
PR 08-DEC-2000; 2000US-0251869P.
PR 08-DEC-2000; 2000US-0251989P.
PR 08-DEC-2000; 2000US-0251990P.
PR 11-DEC-2000; 2000US-0254097P.
PR 05-JAN-2001; 2001US-0259678P.
XX

Db	298	TTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAAC	357
Qy	502	TGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTG	561
Db	358	TGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTG	417
Qy	562	TCCACTTCCAGAACAGTGTTTCCCAGGCCCCGCTGAGTGGACCGGACCTCTGACACCTCC	621
Db	418	TCCACTTCCAGAACAGTGTTTCCCAGGCCCCGCTGAGTGGACCGGACCTCTGACACCTCC	477
Qy	622	AGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCC	681
Db	478	AGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCC	537
Qy	682	CAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAGCCCCCAGGGCTGTGCAAACAC	741
Db	538	CAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAGCCCCCAGGGCTGTGCAAACAC	597
Qy	742	ATGCCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTTATAA	801
Db	598	ATGCCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTTATAA	657
Qy	802	GTTGTTTTTACAGATACGGAAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCATTAT	861
Db	658	GTTGTTTTTACAGATACGGAAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCATTAT	717
Qy	862	AAATAAAGATCCTCTGTAAC	881
Db	718	AAATAAAGATCCTCTGTAAC	737

RESULT 6

AAI90742/c

ID	AAI90742 standard; cDNA; 963 BP.
XX	
AC	AAI90742;
XX	
DT	06-NOV-2001 (first entry)
XX	
DE	Human polynucleotide SEQ ID NO 10802.
XX	
KW	Human; cytokine; cell proliferation; cell differentiation; gene therapy;
KW	vaccine; peptide therapy; stem cell growth factor; haematopoiesis;
KW	tissue growth factor; immunomodulatory; cancer; leukaemia;
KW	nervous system disorders; arthritis; inflammation; ss.
XX	
OS	Homo sapiens.
XX	
PN	W0200164835-A2.

26-FEB-2001; 2001WO-US004927.

28-FEB-2000; 2000US-00515126.

18-MAY-2000; 2000US-00577409.

(HYSE-) HYSEQ INC.

Tang YT, Liu C, Drmanac RT;

WPI; 2001-514838/56.

P-PSDB; AAO10811.

Isolated nucleic acids and polypeptides, useful for preventing diagnosing and treating e.g. leukemia, inflammation and immune disorders.

Claim 1; SEQ ID NO 10802; 1399pp + Sequence Listing; English.

The invention relates to human polynucleotides (AAI79941-AAI93841) and the encoded proteins (AAO00010-AAO13910) that exhibit activity relating to cytokine, cell proliferation or cell differentiation or which may induce production of other cytokines in other cell populations. The polynucleotides and polypeptides are useful in gene therapy, vaccines or peptide therapy. The polypeptides have various cytokine-like activities, e.g. stem cell growth factor activity, haematopoiesis regulating activity, tissue growth factor activity, immunomodulatory activity and activin/inhibin activity and may be useful in the diagnosis and/or treatment of cancer, leukaemia, nervous system disorders, arthritis and inflammation. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at [ftp.wipo.int/pub/published_pct_sequences](ftp:wipo.int/pub/published_pct_sequences)

Sequence 963 BP; 202 A; 296 C; 269 G; 194 T; 0 U; 2 Other;

Query Match 78.8%; Score 694.2; DB 1; Length 963;
Best Local Similarity 98.9%; Pred. No. 2.6e-160;
Matches 699; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 175 ATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAG 234
| | | | | | | | | | | | | | | | | | | | | | | | | |

Db 715 ACGCCTGGCTTCTCAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAG 656

[illegible]

Db 655 GCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACC 596

Qy 295 CCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG 354

Db	595	 CCCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG	536
Qy	355	TCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCT	414
Db	535	 TCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCT	476
Qy	415	GGCTGGCTCCTGCTCCAGCGGCCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCA	474
Db	475	 GGCTGGCTCCTGCTCCAGCGGCCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCA	416
Qy	475	GGTGTGCTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGT	534
Db	415	 GGTGTGCTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGT	356
Qy	535	GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCCGC	594
Db	355	 GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCCGC	296
Qy	595	TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA	654
Db	295	 TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA	236
Qy	655	GCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC	714
Db	235	 GCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC	176
Qy	715	TCCCAGCCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCT	774
Db	175	 TCCCAGCCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCT	116
Qy	775	TGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG	834
Db	115	 TGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG	56
Qy	835	GGATTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	881
Db	55	 GGATTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	9

RESULT 7
ADE09694/c
ID ADE09694 standard; DNA; 963 BP.
XX
AC ADE09694;
XX
DT 29-JAN-2004 (first entry)
XX
DE Novel DNA-related contig nucleotide sequence #416.

XX
KW novel gene; novel protein; tissue marker; molecular weight marker;
KW chromosome marker; genetic disorder; contig; ds.
XX
OS Unidentified.
XX
PN WO2003054152-A2.
XX
PD 03-JUL-2003.
XX
PF 10-DEC-2002; 2002WO-US039555.
XX
PR 10-DEC-2001; 2001US-0339739P.
PR 11-DEC-2001; 2001US-0339453P.
PR 14-MAR-2002; 2002US-0365091P.
PR 14-MAR-2002; 2002US-0365384P.
PR 12-APR-2002; 2002US-0372381P.
PR 12-APR-2002; 2002US-0372615P.
PR 22-APR-2002; 2002US-00128558.
PR 24-APR-2002; 2002US-0376045P.
XX
PA (HYSE-) HYSEQ INC.
XX
PI Tang YT, Asundi V, Goodrich RW, Ren F, Zhang J, Zhao QA, Wang J;
PI Ghosh M, Xue AJ, Wehrman T, Weng G, Zhou P, Drmanac RT, Wang Z;
PI Ma Y, Wang D, Chen R, Xu C, Boyle BJ;
XX
DR WPI; 2003-569235/53.
XX
PT New polynucleotides, useful for expressing recombinant proteins for
PT analysis, characterization or therapeutic use, or as markers for tissues
PT in which the corresponding protein is preferentially expressed.
XX
PS Disclosure; SEQ ID NO 2238; 1177pp; English.
XX
CC The invention comprises the amino acid and coding sequences of novel
CC proteins. The DNA and protein sequences of the invention are useful as:
CC markers for tissues in which the corresponding protein is preferentially
CC expressed; as molecular weight markers on gels; as chromosome markers or
CC tags; to identify chromosomes or to map related gene positions; and to
CC compare with endogenous DNA sequences in patients to identify potential
CC genetic disorders. The present DNA sequence was used in the
CC exemplification of the invention.
XX
SQ Sequence 963 BP; 202 A; 296 C; 269 G; 194 T; 0 U; 2 Other;

Query Match 78.8%; Score 694.2; DB 1; Length 963;
Best Local Similarity 98.9%; Pred. No. 2.6e-160;
Matches 699; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

RESULT 8

ARC01157

ID ARC01157 standard; DNA; 1239 BP.

XX

AC ARC01157;

XX

DT 10-JUL-2008 (first entry)

XX

DE DNA fragments of a human Tox gene, 45208.

XX

KW DNA microarray; gene expression; drug screening; ds; Tox.

XX

OS Homo sapiens.

XX

PN US2007072175-A1.

XX

PD 29-MAR-2007.

XX

PF 15-MAY-2006; 2006US-00433832.

XX

PR 13-MAY-2005; 2005US-0680473P.

PR 13-MAY-2005; 2005US-0680544P.

XX

PA (BIOJ) BIOGEN IDEC MA INC.

XX

PI Cooper MT, Kinch D, Rosenberg M, Subramaniam SS, Szak ST, Li H;

PI Bandaru R, Derbel M;

XX

DR WPI; 2007-432796/41.

XX

PT New nucleotide array comprises polynucleotide probes complementary to, or
PT fragments of, Cynomolgus monkey genes, useful for detecting changes in
PT gene expression upon administration of a therapeutic agent.

XX

PS Claim 18; SEQ ID NO 45208; 33pp; English.

XX

CC The new invention relates to a nucleotide array for detecting changes in
CC gene expression upon administration of a therapeutic agent. The
CC microarray has polynucleotide probes complementary to, or fragments of,
CC Cynomolgus monkey genes, where each polynucleotide probe is immobilized
CC to a discrete and known spot on a solid support. The polynucleotide
CC probes are complementary to, or fragments of, any portion of an ortholog
CC of a human gene, preferably a Tox gene. The probes are any of SEQ ID NO.
CC 8882-9186. The probes are also complementary to, or fragments of, any
CC portion of any of SEQ ID NO. 1-8881 or 9187-18598. The nucleotide array
CC has at least one probe complementary to, or a fragment of, any portion of
CC any human gene, where the probe from a human gene is any of SEQ ID NO.
CC 43226-48714, or is complementary to, or a fragment of, any portion of any

```
Query Match      78.8%;   Score 694.2;   DB 3;   Length 1239;
Best Local Similarity 98.9%;   Pred. No. 2.8e-160;
Matches 699;   Conservative 0;   Mismatches 8;   Indels 0;   Gaps 0;
```

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Db	948	TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA	1007
Qy	655	GCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC	714
Db	1008	GCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC	1067
Qy	715	TCCCAGCCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCT	774
Db	1068	TCCCAGCCCCCAGGGCTGTGCAAACACATGCCCCTGCCATAAGCACCAACAAGAACTTCT	1127
Qy	775	TGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG	834
Db	1128	TGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG	1187
Qy	835	GGATTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	881
Db	1188	GGATTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	1234

RESULT 9
AQD66153
ID AQD66153 standard; DNA; 1261 BP.
XX
AC AQD66153;
XX
DT 20-MAR-2008 (first entry)
XX
DE Human chromosome 16 ORF 74 DNA SEQ ID 42.
XX
KW diagnostic; therapeutic; prophylaxis; gene expression; tumor suppressor;
KW dna library; peptide library; hybridoma; antibody production;
KW antibody identification; gene transfer; vector; immunoassay; cancer;
KW ovary tumor; cytostatic; chromosome-16; ORF 74; gene; ds.
XX
OS Homo sapiens.
XX
PN WO2007147265-A1.
XX
PD 27-DEC-2007.
XX
PF 22-JUN-2007; 2007WO-CA001134.
XX
PR 23-JUN-2006; 2006US-0815829P.
PR 13-DEC-2006; 2006US-0874471P.
XX
PA (ALET-) ALETHIA BIOTHERAPEUTIQUES INC.
XX
PI Sooknanan RR, Tremblay GB, Fillion M;
XX

DR WPI; 2008-B28167/08.

DR P-PSDB; AQD66196.

DR PC:NCBI; gi14290598.

DR PC_ENCPRO:NCBI; gi14290599.

XX

PT new isolated polynucleotides and polypeptides involved in cancer, useful
PT for diagnosing, treating, or preventing cancer, e.g. ovarian cancer,
PT prostate cancer, breast cancer, lung cancer, or colon cancer.

XX

PS Claim 1; SEQ ID NO 42; 309pp; English.

XX

CC The present invention relates to novel isolated polynucleotides and
CC polypeptides involved in cancer, useful for diagnosing, treating, or
CC preventing cancer, particularly ovarian cancer. The invention further
CC relates to a vector comprising the polynucleotide; a library of
CC polynucleotide or polypeptide; a pharmaceutical composition comprising
CC the polynucleotide or polypeptide; use of the polynucleotide or
CC polypeptide in the manufacture of a composition for identification or
CC detection of a cancer cell; a method of reducing or slowing the growth of
CC a cancer cell in an individual; a siRNA or shRNA molecule that lowers the
CC expression of the polynucleotide; a kit for the diagnosis of cancer
CC comprising at least one polynucleotide or polypeptide or a reagent
CC capable of specifically binding to at least one polynucleotide or
CC polypeptide of the invention; an isolated or purified antibody and
CC antigen-binding fragment capable of specifically binding to the
CC polypeptide; a hybridoma cell producing an antibody capable of
CC specifically binding to a polypeptide of the invention; a composition
CC comprising the antibody; a method of making an antibody; a method of
CC identifying a compound that inhibits the activity or function of a
CC polypeptide of the invention; a cell transformed with the polynucleotide
CC or vector, or comprising an exogenous form of the polypeptide; a method
CC of identifying a compound that inhibits the expression of a
CC polynucleotide of the invention; and an immunoassay for detection of
CC antibodies that specifically bind to any one polypeptide of the
CC invention. The polynucleotide or polypeptide is useful in the
CC identification or detection of a cancer cell or in the manufacture of a
CC composition for identification or detection of a cancer cell or for
CC inhibiting the growth of an ovarian cancer cell. The polypeptide is
CC useful for detecting an antibody, which specifically binds to the
CC polypeptide which acts as a inhibitor of the polypeptide and is useful in
CC the treatment of cancer. The present sequence encodes a polypeptide
CC sequence of the invention which is used for the treatment of cancer.

CC

CC Revised record issued on 04-MAR-2008 : Enhanced with precomputed
CC information from BOND.

XX

SQ Sequence 1261 BP; 286 A; 332 C; 389 G; 254 T; 0 U; 0 Other;

Query Match 78.6%; Score 692.6; DB 4; Length 1261;

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Db 1188 GGATTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC 1234

RESULT 10

ADR26670/c

ID ADR26670 standard; DNA; 614 BP.

XX

AC ADR26670;

XX

DT 21-OCT-2004 (first entry)

XX

DE Breast cancer prognosis marker #2531.

XX

KW ds; breast cancer; prognosis; gene expression; diagnosis.

XX

OS Homo sapiens.

XX

PN WO2004065545-A2.

XX

PD 05-AUG-2004.

XX

PF 15-JAN-2004; 2004WO-US001100.

XX

PR 15-JAN-2003; 2003US-00342887.

XX

PA (ROSE-) ROSETTA INPHARMATICS LLC.

PA (NECA-) NETHERLANDS CANCER INST.

XX

PI Van't Veer LJ, He Y;

XX

DR WPI; 2004-593473/57.

XX

PT Classifying a breast cancer patient according to prognosis comprises
PT determining the similarity between the level of expression of each of
PT five genes in a cell sample taken from patient, to control levels.

XX

PS Disclosure; SEQ ID NO 2531; 226pp; English.

XX

CC The invention relates to a method of classifying a breast cancer patient
CC according to prognosis by determining the similarity between the level of
CC expression of each of five genes for which markers are listed in the
CC specification, in a cell sample taken from the breast cancer patient, to
CC control levels of expression for each respective five genes to obtain a
CC patient similarity value. The methods are useful for classifying a breast
CC cancer patient according to prognosis. Kits and computer program products
CC are useful for data analysis using the diagnostic, prognostic and
CC statistical methods of the invention. This sequence corresponds to a
CC marker used in the method of the invention.

XX

SQ	Sequence 614 BP; 130 A; 179 C; 171 G; 134 T; 0 U; 0 Other;				
	Query Match	69.4%;	Score 611;	DB 2;	Length 614;
	Best Local Similarity	100.0%;	Pred. No. 6.8e-140;		
	Matches 611;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	271	GACATCATCATCACGCCCCCACCACCGGGCATGATGCTGCCGAGGGACTTGGGGAGC	330		
Db	614	GACATCATCATCACGCCCCCACCACCGGGCATGATGCTGCCGAGGGACTTGGGGAGC	555		
Qy	331	ACAGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCC	390		
Db	554	ACAGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCC	495		
Qy	391	TGAGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGT	450		
Db	494	TGAGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGT	435		
Qy	451	CCGGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACTGAGCGAAC	510		
Db	434	CCGGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACTGAGCGAAC	375		
Qy	511	CCGGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCC	570		
Db	374	CCGGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCC	315		
Qy	571	AGAACAGTGTTTCCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTG	630		
Db	314	AGAACAGTGTTTCCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTG	255		
Qy	631	CTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAG	690		
Db	254	CTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAG	195		
Qy	691	GCTCTCTTCTGGACAAACACACCCTCCCAGCCCCCAGGGCTGTGCAAACACATGCCCTG	750		
Db	194	GCTCTCTTCTGGACAAACACACCCTCCCAGCCCCCAGGGCTGTGCAAACACATGCCCTG	135		
Qy	751	CCATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTA	810		
Db	134	CCATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTA	75		
Qy	811	CAGATACGGAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCATTATAAATAAAGA	870		
Db	74	CAGATACGGAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCATTATAAATAAAGA	15		
Qy	871	TCCTCTGTAAC	881		
Db	14	TCCTCTGTAAC	4		

RESULT 11

AAK90422

ID AAK90422 standard; DNA; 2798 BP.

XX

AC AAK90422;

XX

DT 05-NOV-2001 (first entry)

XX

DE Human digestive system antigen genomic sequence SEQ ID NO: 3998.

XX

KW Human; digestive system antigen; gene therapy; cancer; appendicitis;

KW ulcerative colitis; infection; Hirschsprung's disease; chronic colitis;

KW digestive system disorder; Meckel's diverticulum; ds.

XX

OS Homo sapiens.

XX

PN WO200155314-A2.

XX

PD 02-AUG-2001.

XX

PF 17-JAN-2001; 2001WO-US001324.

XX

PR 31-JAN-2000; 2000US-0179065P.

PR 04-FEB-2000; 2000US-0180628P.

PR 24-FEB-2000; 2000US-0184664P.

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PR 16-MAR-2000; 2000US-0189874P.

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PR 02-OCT-2000; 2000US-0236802P.
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PR 01-NOV-2000; 2000US-0244617P.
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PR 17-NOV-2000; 2000US-0249218P.
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PR 17-NOV-2000; 2000US-0249264P.
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PR 17-NOV-2000; 2000US-0249297P.
PR 17-NOV-2000; 2000US-0249299P.
PR 17-NOV-2000; 2000US-0249300P.

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Db	2360	 GGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACTGAGCGAACCC	2419
Qy	513	GGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAG	572
Db	2420	 GGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAG	2479
Qy	573	AACAGTGTTTCCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCT	632
Db	2480	 AACAGTGTTTCCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCT	2539
Qy	633	GACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGC	692
Db	2540	 GACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGC	2599
Qy	693	TCTCTTCTGGACAAACACACCCTCCCAGCCCCCAGGGCTGTGCAAACACATGCCCCTGCC	752
Db	2600	 TCTCTTCTGGACAAACACACCCTCCCAGCCCCCAGGGCTGTGCAAACACATGCCCCTGCC	2659
Qy	753	ATAAGCACCAACAAGAAGTCTTGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACA	812
Db	2660	 ATAAGCACCAACAAGAAGTCTTGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACA	2719
Qy	813	GATACGGAAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCATTATAAATAAAGATC	872
Db	2720	 GATACGGAAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCATTATAAATAAAGATC	2779
Qy	873	CTCTGTAAAC 881	
Db	2780	 CTCTGTAAAC 2788	

RESULT 12
AAK90423
ID AAK90423 standard; DNA; 2804 BP.
XX
AC AAK90423;
XX
DT 05-NOV-2001 (first entry)
XX
DE Human digestive system antigen genomic sequence SEQ ID NO: 3999.
XX
KW Human; digestive system antigen; gene therapy; cancer; appendicitis;
KW ulcerative colitis; infection; Hirschsprung's disease; chronic colitis;
KW digestive system disorder; Meckel's diverticulum; ds.
XX
OS Homo sapiens.
XX
PN WO200155314-A2.

XX
PD 02-AUG-2001.
XX
PF 17-JAN-2001; 2001WO-US001324.
XX
PR 31-JAN-2000; 2000US-0179065P.
PR 04-FEB-2000; 2000US-0180628P.
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PR 20-OCT-2000; 2000US-0241785P.
PR 20-OCT-2000; 2000US-0241786P.
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PR 08-NOV-2000; 2000US-0246474P.
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XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Rosen CA, Barash SC, Ruben SM;
XX
DR WPI; 2001-502630/55.

XX
PT Polynucleotides encoding digestive system antigens, useful for
PT diagnosing, treating, preventing and/or prognosing disorders of the
PT digestive system, particularly cancer and cancer metastases.
XX
PS Disclosure; SEQ ID NO 3999; 986pp; English.
XX
CC The present invention provides the protein and coding sequences of a
CC number of human digestive system antigens. These can be used in the
CC diagnosis, treatment and prevention of digestive system disorders,
CC including cancer, Meckel's diverticulum, bacterial or parasitic
CC infections, appendicitis, Hirschsprung's disease, chronic colitis or
CC ulcerative colitis. The present sequence is a genomic DNA fragment
CC encoding a digestive system antigen of the invention
XX
SQ Sequence 2804 BP; 598 A; 777 C; 808 G; 621 T; 0 U; 0 Other;

Query Match 62.1%; Score 547.4; DB 1; Length 2804;
Best Local Similarity 99.8%; Pred. No. 5.3e-124;
Matches 548; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	333	AGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTG	392
Db	2246	AGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTG	2305
Qy	393	AGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCC	452
Db	2306	AGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCC	2365
Qy	453	GGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACTGAGCGAACCC	512
Db	2366	GGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACTGAGCGAACCC	2425
Qy	513	GGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAG	572
Db	2426	GGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAG	2485
Qy	573	AACAGTGTTTCCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCT	632
Db	2486	AACAGTGTTTCCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCT	2545
Qy	633	GACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGC	692
Db	2546	GACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGC	2605
Qy	693	TCTCTTCTGGACAAACACACCCTCCCAGCCCCCAGGGCTGTGCAAACACATGCCCCTGCC	752
Db	2606	TCTCTTCTGGACAAACACACCCTCCCAGCCCCCAGGGCTGTGCAAACACATGCCCCTCCC	2665

Qy	753	ATAAGCACCAACAAGA	ACTTCTTGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACA	812
Db	2666	ATAAGCACCAACAAGA	ACTTCTTGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACA	2725
Qy	813	GATACGGAAACAGTCCAAA	ATGGGATTTATAATTTCTTTTTTGCATTATAAATAAAGATC	872
Db	2726	GATACGGAAACAGTCCAAA	ATGGGATTTATAATTTCTTTTTTGCATTATAAATAAAGATC	2785
Qy	873	CTCTGTAAAC		881
Db	2786	CTCTGTAAAC		2794

RESULT 13

ABL65256

ID	ABL65256	standard; DNA; 574 BP.
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AC	ABL65256;	
XX		
DT	11-JUN-2007	(revised)
DT	15-MAY-2002	(first entry)
XX		
DE	Lung cancer related gene sequence	SEQ ID NO:3593.
XX		
KW	Human; cancer; colon; breast; ovary; oesophagus; kidney; thyroid;	
KW	stomach; lung; prostate; pancreas; carcinoma; antitumour; cancerous;	
KW	cytostatic; gene therapy; antineoplastic; Wilm's tumour; adenocarcinoma;	
KW	gene; ds.	
XX		
OS	Homo sapiens.	
XX		
PN	WO200194629-A2.	
XX		
PD	13-DEC-2001.	
XX		
PF	30-MAY-2001; 2001WO-US010838.	
XX		
PR	05-JUN-2000; 2000US-0209473P.	
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PR 27-SEP-2000; 2000US-0235711P.
PR 27-SEP-2000; 2000US-0235720P.
PR 27-SEP-2000; 2000US-0235840P.
PR 27-SEP-2000; 2000US-0235863P.
PR 28-SEP-2000; 2000US-0236028P.
PR 28-SEP-2000; 2000US-0236032P.
PR 28-SEP-2000; 2000US-0236033P.
PR 28-SEP-2000; 2000US-0236034P.
PR 28-SEP-2000; 2000US-0236109P.
PR 28-SEP-2000; 2000US-0236111P.
PR 29-SEP-2000; 2000US-0236842P.
PR 29-SEP-2000; 2000US-0236891P.
PR 02-OCT-2000; 2000US-0237172P.
PR 02-OCT-2000; 2000US-0237173P.
PR 02-OCT-2000; 2000US-0237278P.
PR 02-OCT-2000; 2000US-0237294P.
PR 02-OCT-2000; 2000US-0237295P.
PR 02-OCT-2000; 2000US-0237316P.
PR 03-OCT-2000; 2000US-0237425P.
PR 03-OCT-2000; 2000US-0237598P.
PR 03-OCT-2000; 2000US-0237604P.
PR 03-OCT-2000; 2000US-0237606P.
PR 03-OCT-2000; 2000US-0237608P.
PR 01-NOV-2000; 2000US-0244867P.
PR 01-NOV-2000; 2000US-0245084P.

XX

PA (AVAL-) AVALON PHARM.

XX

PI Young PE, Augustus M, Carter KC, Ebner R, Endress G, Horrigan S;
PI Soppet DR, Weaver Z;

XX

DR WPI; 2002-188264/24.

DR PC:NCBI; gil1318992.

XX

PT Screening for anti-neoplastic agent involves exposing cells to a chemical
PT agent to be tested for anti-neoplastic activity, and determining a change
PT in expression of a gene of a signature gene set.

XX

PS Claim 1; SEQ ID NO 3593; 44pp; English.

XX

CC The present invention describes a method (M1) for screening for an anti-
CC neoplastic agent. The method involves exposing cells to a chemical agent
CC to be tested for anti-neoplastic activity, determining a change in
CC expression of at least one gene (I) of a signature gene set, where (I)

comprises a sequence (S) selected from 8447 sequences (given in ABL61664 to ABL70110), or is at least 95% identical to (S), where a change in expression is indicative of anti-neoplastic activity. (I) has cytostatic activity and can be used in gene therapy. M1 can be used for screening an anti-neoplastic agent, and can be used for producing a product which is the data collected with respect to the anti-neoplastic agent as a result of M1, and the data is sufficient to convey the chemical structure and/or properties of the agent. M1 can be used in the treatment of cancer such as colon, breast, stomach, lung, thyroid, oesophageal, ovarian, kidney, prostate or pancreatic cancer, adenocarcinoma, carcinoma, clear cell cancer, infiltrating ductal cancer, infiltrating lobular cancer, squamous cell carcinoma, neuroendocrine carcinoma, papillary carcinoma and Wilm's tumour

Revised record issued on 11-JUN-2007 : Enhanced with precomputed information from BOND.

XX

SQ Sequence 574 BP; 140 A; 144 C; 158 G; 128 T; 0 U; 4 Other;

Query Match 41.7%; Score 367; DB 1; Length 574;
Best Local Similarity 88.8%; Pred. No. 8.3e-80;
Matches 491; Conservative 0; Mismatches 42; Indels 20; Gaps 8;

Qy 348 GACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGG 407
|||||

Db 7 GACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGG 66

Qy 408 TTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCC 467
|||||

Db 67 TTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCC 126

Qy 468 TGGAGCAGGTGTGCTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGA 527
|||||

Db 127 TGGAGCAGGTGTGCTGAATACCCTGGATGGGAACTGAGCGAACCCGGGCCTCCGCTCAGA 186

Qy 528 GAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCCTCCAG 587
|||||

Db 187 GAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCCTCCAN 246

Qy 588 GCCCGCTGAGTGGACCGGACCTCTGACACCTCC-AGGTTCTTGCTGACTCCGGCCTGGT 646
|||||

Db 247 GCCCGCTNAGTGGACCGGACCTCTGACACCTCCAAGGTTCTTGCTGACTCCGGCCTGGT 306

Qy 647 GAAAGGG-AGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGA--GAGGCTCTCTTCT-GG 702
|||||

Db 307 GAAAGGGAAGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAAGAAGGCTCTCTTCTNGG 366

Qy 703 ACAAACACACCCTCCCAGCCCCCAGGGCTGT---GCAAACACATGCCCTGCCATAAGCA 759
|||||

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Db          367  ACAAACACACCCCTCCCAGCCCCCAGGGCTGTTGCAAACACATTGCCCCCTTGCCATAAAGC  426
Qy          760  CCAACAAGAACTTCTTGCAGGTGGAGTG-----GCTGTTTTTTTATAAGTTGTTTTA  810
          | | |  ||   |||   |  | |||   | | |||  || |  ||||| ||
Db          427  ACCAAACAAAGAACTTCTTTGCAGGGTGGAGTGGGCTGTTTTTTAATAAAGTTTGTTTTA  486
Qy          811  CAGA-TACGGAAACAGTCCAAAATGGGATTTATAATTTCTTTTTT--GCATTATAAATAA  867
          ||||  ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||
Db          487  CAGATTACGGAAACAGTTCAAAAATGGGATTTATAATTTCTTTTTTTTGCATTAATAAATAA  546
Qy          868  AGATCCTCTGTAA  880
          ||||| ||||| || |
Db          547  AGATCCTCTGTTA  559
```

RESULT 14

ADE07493

ID ADE07493 standard; DNA; 1617 BP.

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AC ADE07493;

XX

DT 29-JAN-2004 (first entry)

XX

DE Novel coding sequence (useful for identifying genetic disorders) #559.

XX

KW novel gene; novel protein; tissue marker; molecular weight marker;
KW chromosome marker; genetic disorder; gene; ds.

XX

OS Unidentified.

XX

PN WO2003054152-A2.

XX

PD 03-JUL-2003.

XX

PF 10-DEC-2002; 2002WO-US039555.

XX

PR 10-DEC-2001; 2001US-0339739P.

PR 11-DEC-2001; 2001US-0339453P.

PR 14-MAR-2002; 2002US-0365091P.

PR 14-MAR-2002; 2002US-0365384P.

PR 12-APR-2002; 2002US-0372381P.

PR 12-APR-2002; 2002US-0372615P.

PR 22-APR-2002; 2002US-00128558.

PR 24-APR-2002; 2002US-0376045P.

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PA (HYSE-) HYSEQ INC.

XX

PI Tang YT, Asundi V, Goodrich RW, Ren F, Zhang J, Zhao QA, Wang J;
PI Ghosh M, Xue AJ, Wehrman T, Weng G, Zhou P, Drmanac RT, Wang Z;

http://es/ScoreAccessWeb/GetItem.action?AppId=105295...7_122905_us-10-529-592a-1.rng&ItemType=4&startByte=0 (43 of 45)5/19/2009 9:50:33 AM

DT 20-SEP-2007 (first entry)
 XX
 DE Human transcript sequence, SEQ ID 1960.
 XX
 KW DNA detection; RNA detection; exon; ds.
 XX
 OS Homo sapiens.
 XX
 PN WO200268579-A2.
 XX
 PD 06-SEP-2002.
 XX
 PF 10-JAN-2002; 2002WO-US000284.
 XX
 PR 10-JAN-2001; 2001US-00756696.
 XX
 PA (PEKE) PE CORP NY.
 XX
 PI Venter CJ, Adams M, Li PWD, Myers EW;
 XX
 DR WPI; 2002-682812/73.
 XX
 PT New isolated nucleic acid detection reagent for detecting the presence of
 PT specified human exons.
 XX
 PS Claim 4; SEQ ID NO 1960; 40pp; English.
 XX
 CC The present invention relates to a novel isolated nucleic acid detection
 CC reagent for detecting the presence of specified human exons. The exon
 CC sequences cover every identified human transcript and exon comprising
 CC every gene/coding region of the human genome. The present sequence is one
 CC such exon sequence. The nucleic acid detection agent is used for
 CC detecting the presence of at least 100000, at least 2000, at least 50000
 CC or at least 10000 human exons. The sequences that span exon-exon
 CC junctions eliminate false signals caused by genomic contamination. This
 CC is because a detection element comprising two neighboring exons as one
 CC contiguous sequence will not hybridize to genomic DNA comprising
 CC intervening intronic DNA. These detection elements will only hybridize to
 CC expressed mRNA transcripts in which the exons are connected and the
 CC intronic sequence has been removed, therefore forming one contiguous
 CC stretch of sequence corresponding to the sequence of the detection
 CC element that spans the exon-exon junction.
 XX
 SQ Sequence 203 BP; 49 A; 65 C; 60 G; 29 T; 0 U; 0 Other;

Query Match 23.0%; Score 203; DB 1; Length 203;
 Best Local Similarity 100.0%; Pred. No. 1.4e-39;
 Matches 203; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	191	GCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACG	250
Db	1	GCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACG	60
Qy	251	ACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCCCACCCCCACGGGCATGATGC	310
Db	61	ACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCCCACCCCCACGGGCATGATGC	120
Qy	311	TGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATG	370
Db	121	TGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATG	180
Qy	371	GAGAAATCGACCCAGAAGCCTGA	393
Db	181	GAGAAATCGACCCAGAAGCCTGA	203

Search completed: April 28, 2009, 04:16:11
Job time : 236 secs

SCORE 3 0